



Metropolitan Nashville Airport AuthoritySM

Compressed Natural Gas Shuttle Bus Fleet

May 23, 2017



NASHVILLE INTERNATIONAL AIRPORT



Metropolitan Nashville Airport Authority

Tennessee Sustainable Transportation Forum





NAMED ONE OF THE **SEVEN MOST ENTERTAINING
AIRPORTS IN THE WORLD** BY CNN

LONELY PLANET NAMED BNA ONE OF THE
“**TOP 8 AIRPORTS IN THE WORLD FOR A LONG LAYOVER**”

TRAVEL + LEISURE RANKED BNA AS
THE 9TH BEST DOMESTIC AIRPORT

THE STREET NAMED BNA ONE OF THE
“**BEST AIRPORTS IN THE WORLD**”

2016 ACI-NA ENVIRONMENTAL ACHIEVEMENT AWARD

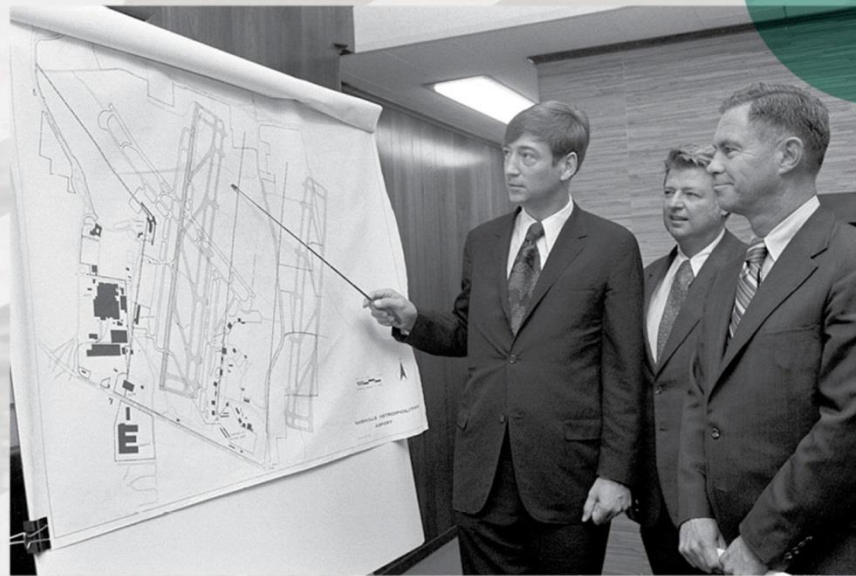
2015 GOVERNOR’S ENVIRONMENTAL STEWARDSHIP AWARD

**JOHN C. TUNE AIRPORT AWARDED THE 2016 SEC AAAE GENERAL
AVIATION PROJECT OF THE YEAR – AIRFIELD PROJECT**

**BNA
ACCOLADES**



- **CREATED IN 1970**
- **10-MEMBER BOARD APPOINTED BY THE MAYOR OF NASHVILLE AND APPROVED BY METRO COUNCIL**
- **NO LOCAL TAX DOLLARS**



MNAA

ABOUT BNA

- 12 Airlines
- 440 daily flights
- Four runways
- More than 888,000 square-foot terminal
- 42 gates
- 4,465 acres



NASHVILLE,
HOW HIGH DO YOU
WANT TO FLY?

BNA
NASHVILLE INTERNATIONAL AIRPORT

\$3.51 BILLION
TOTAL ECONOMIC VALUE

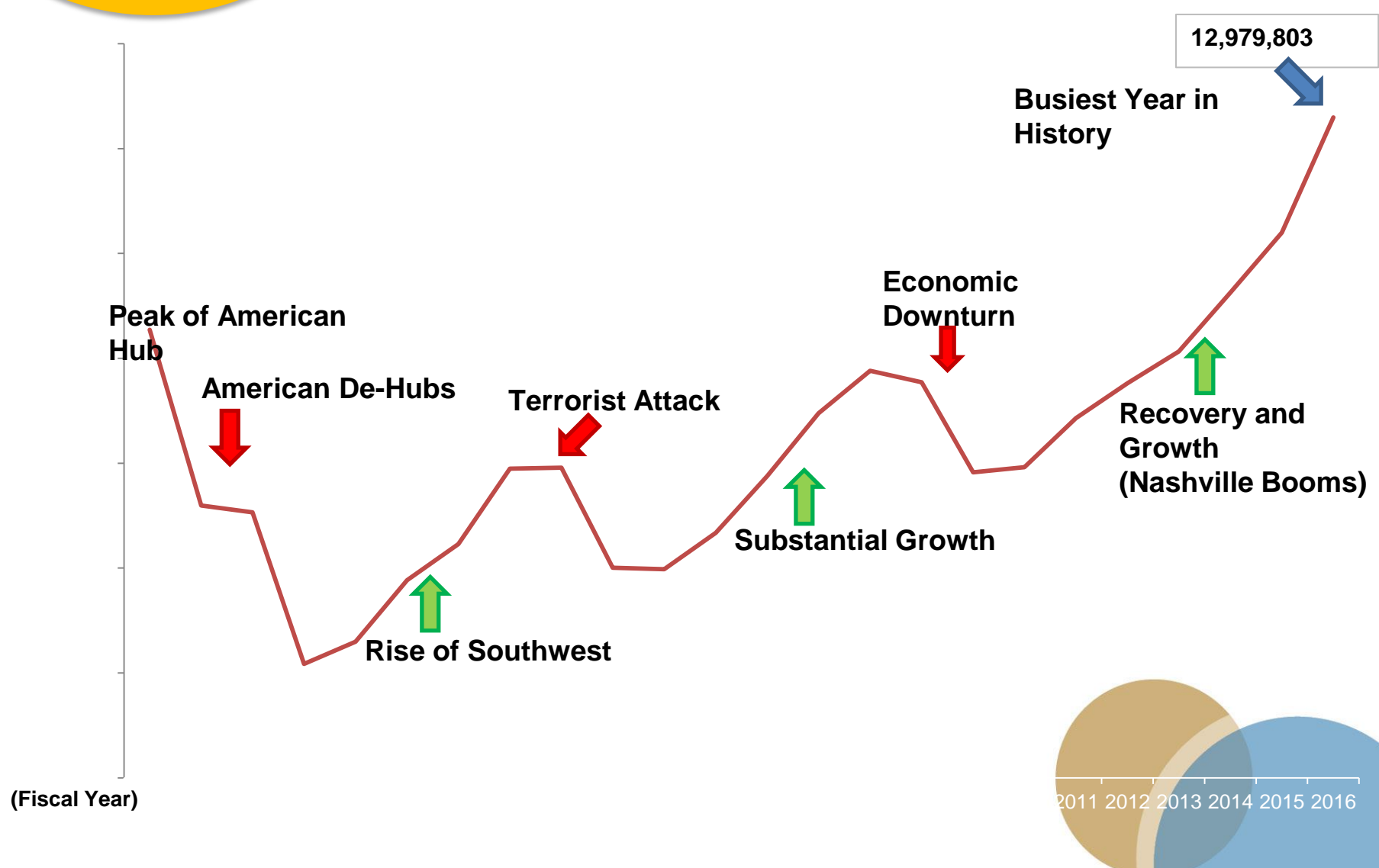
37,721
TOTAL EMPLOYMENT

JWN
JOHN C. TUNE AIRPORT

\$20.92 MILLION
TOTAL ECONOMIC VALUE

200
TOTAL EMPLOYMENT

PASSENGER HISTORY





WHERE
DO YOU WANT
TO FLY?

NEW INITIATIVES

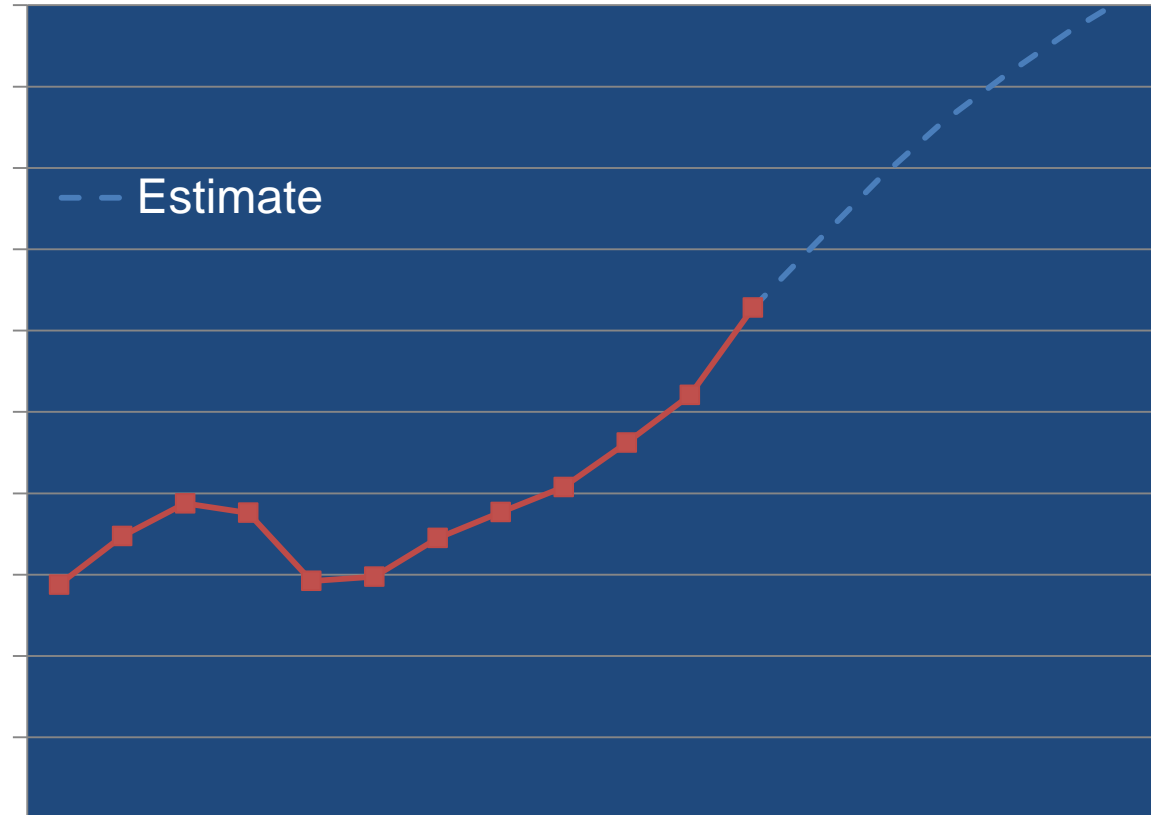


NEW INITIATIVES



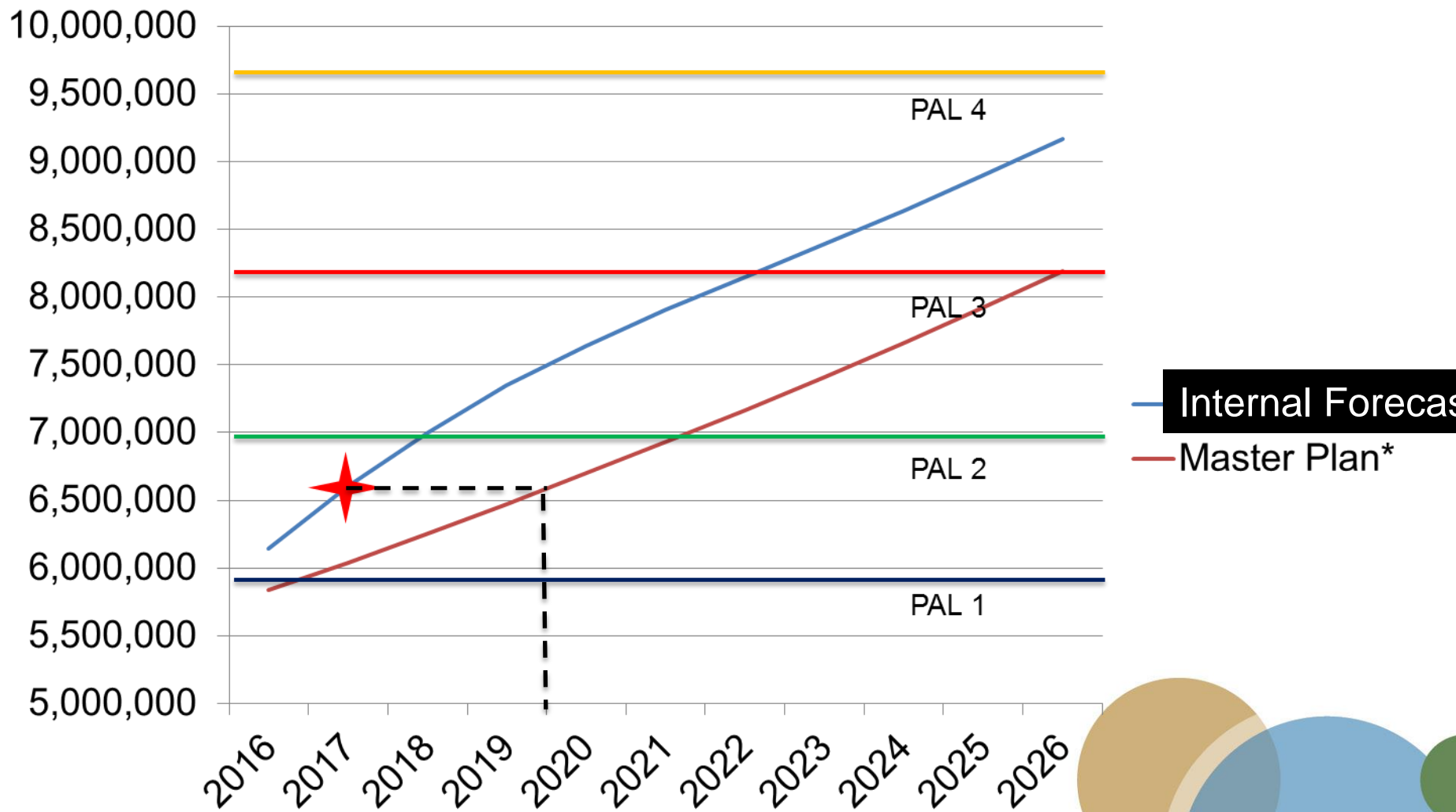
PROJECTED GROWTH

BNA Enplanements



2020
2021
2022

PROJECTED GROWTH





Shuttle Bus Service Procurement Process

- Initial Shuttle Bus Service RFP responses received Feb 2015
 - Open format – alternative fuel optional
 - Responded with 3 CNG and 15 diesel
- Bid protest and repeat process
- Second responses received December 2015
 - 18 CNG required



CNG Story

- 10 Year O&M Contract for Shuttle Operation Expiring end of 2015
- 2015 consultant analysis favored CNG as alt fuel option
 - Timing
 - Cost effectiveness
 - Available infrastructure
 - Maturity of local CNG market
- 2015 RFP issued for 7 year O&M Contract
 - Priced both diesel and CNG
 - MNAA selected CNG
 - January 2016 – contract awarded
 - January 2017 – new shuttle fleet arrives
- 2016 RFP issued for CNG Fueling Station
 - August 2016 – contract awarded
 - DBOM
 - April 2017 – new station to be opened





BNA Express Park

- 1200 spaces
- valet service
- opened June 2016





BNA Express Park



8, on demand - passenger shuttles



BNA Express Park

BNA EXPRESS PARK



BNA EXPRESS PARK
NOW OPEN!

CLICK HERE FOR A \$2 OFF COUPON



Nashville International Airport
flynashville.com   

Click here for a \$2 OFF per day coupon for BNA Express Park!

Major service points:

- 24/7 on-demand, courtesy shuttle service
- Quick 5-minute ride to the terminal
- Free electric vehicle charging stations
- Option for express pay
- ADA equipped shuttles on-demand
- All BNA Express Park shuttles operate on compressed natural gas (CNG)
- Car wash and detailing available at an additional cost

Amenities:

- Bottled Water
- The Wall Street Journal
- USA Today
- Assistance with bags on and off the shuttle

Rates

Daily	\$9/day
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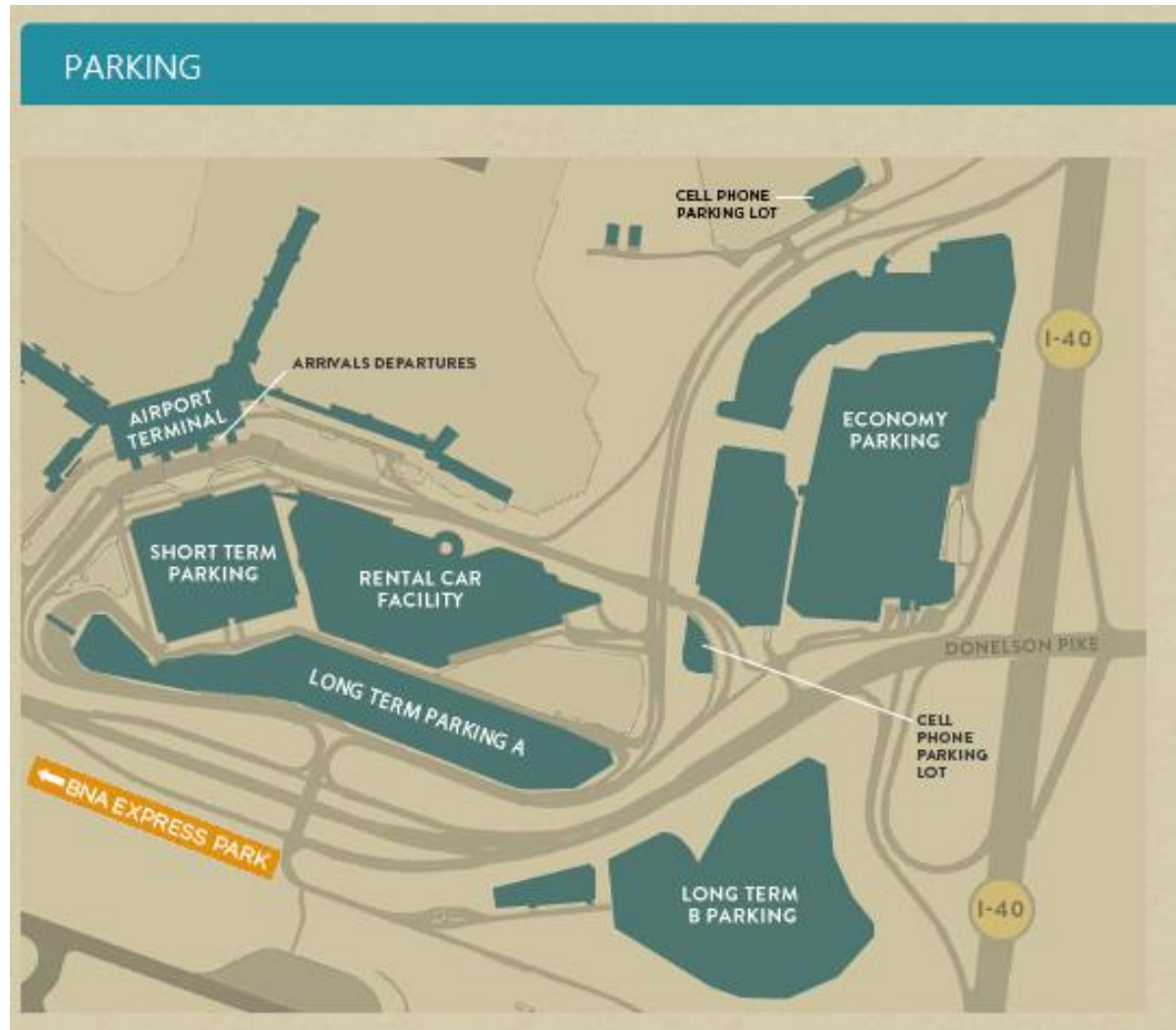
BNA Express Park

**Donelson Pike
and Knapp
Boulevard**





CNG Parking Shuttles





CNG Shuttles





CNG Shuttles



15, 24 passenger shuttles
2, 29 passenger shuttles





CNG Shuttles

3, 14 passenger shuttles





CNG Filling Station

- Project Cost \$ 2,200,000 (design and construct)
- 7 year duration with 3 one year options
- Design, build, operate, maintain (DBOM)
- Projected cost per GGE:
 - \$ 1.79 (years 1 – 7)
 - \$ 1.80 (years 8- 10)
 - \$ 1.24 (years 11 and beyond)
- 10.2 year ROI
- 2 year average cost diesel: \$1.92 per gallon

FY	Total Gal Diesel	Total Annual Cost	Cost per Gal
16	228,888	\$339,417.93	\$1.48
15	216,205	\$516,330.31	\$2.39
2 Yrs	445,093	\$855,748.24	\$1.92



CNG Station Under Construction





First MNAA Fleet CNG Vehicles Arrive





CNG Station Dedication - April 19, 2017





MNAA CNG Station





Thank you!

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